

Instruction Manual

Econo-Pop 14 Popper

Export Model No. 2121NSX





10700 Medallion Drive, Cincinnati, Ohio 45241-4807 USA



SAFETY PRECAUTIONS

DANGER



Machine must be properly grounded to prevent electrical shock to personnel. Failure to do so could result in serious injury, or death.

DO NOT immerse any part of this equipment in water.

DO NOT use excessive water when cleaning.

Keep cord and plug off the ground and away from moisture.

Always unplug the equipment before cleaning or servicing.

Make sure all machine switches are in the OFF position before plugging the equipment into the receptacle.

008 051514

DANGER

Improper installation, adjustment, alteration, service, or maintenance can cause property damage, injury, or death. Any alterations to this equipment will void the warranty and may cause a dangerous condition. NEVER make alterations to this equipment. Read the Installation, Operating, and Maintenance Instructions thoroughly before installing, servicing, or operating this equipment.

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↑ WARNING

To avoid burns, DO NOT touch the kettle or any heated surface. DO NOT place or leave objects in contact with heated surfaces.

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↑ WARNING

ALWAYS wear safety glasses when servicing this equipment.

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WARNING

No user serviceable parts inside. Refer servicing to qualified service personnel.

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Read and understand operator's manual and all other safety instructions before using this equipment. To order copies of the operator's manual go to gmpopcorn.com or write to Gold Medal Products Co., 10700 Medallion Drive, Cincinnati, OH 45241 USA 1-(800)-543-0862

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SAFETY PRECAUTIONS (continued)



⚠ WARNING

DO NOT allow direct contact of this equipment by the public when used in food service locations. Only personnel trained and experienced in the equipment operation may operate this equipment.

Carefully read all instructions before operation.

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MARNING

This machine is NOT to be operated by minors.

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Note: Improvements are always being made to Gold Medal's equipment. This information may not be the latest available for your purposes. It is critical that you call Gold Medal's Technical Service Department at 1-800-543-0862 for any questions about your machine operations, replacement parts, or any service questions. (Gold Medal Products Co. does not assume any liability for injury due to careless handling and/or reckless operation of this equipment.)



INSTALLATION INSTRUCTIONS

Inspection of Shipment

After unpacking, check thoroughly for any damage which may have occurred in transit. Claims should be filed immediately with the transportation company. The warranty does not cover damage that occurs in transit, or damage caused by abuse, or consequential damage due to the operation of this machine, since it is beyond our control (reference warranty in back of manual).

Manual

Read and understand the operator's manual and all other safety instructions before using this equipment. To order copies of the operator's manual go to gmpopcorn.com or write to Gold Medal Products Co., 10700 Medallion Drive, Cincinnati, OH 45241 USA 1-(800)-543-0862.

Model Description

2121NSX: Export 14 oz. Econo-Pop Popper

Items Included with this Unit





Setup

This unit has been tested at the factory.

- 1. Remove all packaging and tape prior to operation.
- 2. Place the unit on a sturdy, level base.
- 3. The popper unit has 4 glide feet preinstalled at the factory. Install a Black Crutch Tip on each of the 4 glide feet. Firmly push the crutch tip over the glide until it covers the glide entirely.
- 4. The door knobs are shipped facing the inside of the machine. Re-adjust the door knobs to face the outside of the machine.
- 5. Carefully install the light bulb (do not over-tighten) into the lamp holder located in the cabinet interior. Ensure the unit is OFF and unplugged before installing or changing the bulb (reference the Electrical Requirements section).
- 6. After setup, the unit should be cleaned prior to use (see Care and Cleaning section of this manual).



Electrical Requirements

The following power supply must be provided:

2121NSX: 230 V~, 1420 W, 50 Hz





Machine must be properly grounded to prevent electrical shock to personnel. Failure to do so could result in serious injury, or death.

DO NOT immerse any part of this equipment in water.

DO NOT use excessive water when cleaning.

Keep cord and plug off the ground and away from moisture.

Always unplug the equipment before cleaning or servicing.

Make sure all machine switches are in the OFF position before plugging the equipment into the receptacle.

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A certified electrician must furnish sufficient power for proper machine operation and install any supplied receptacle. We recommend this equipment be on a dedicated and protected circuit. Failure to wire properly will void the warranty and may result in damage to the machine. It is Gold Medal Products Co.'s recommendation that this machine be plugged directly into a wall outlet. The use of extension cords is not recommended due to safety concerns, and may cause sacrificed and/or reduced performance. Make sure cord is located to prevent a trip hazard or unit upset.

Before You Plug In Machine

- 1. Make sure all machine switches are in the OFF position before plugging the equipment into the receptacle.
- 2. Make sure the wall outlet can accept the grounded plugs (where applicable) on the power supply cord.
- 3. The wall outlet must have the proper polarity. If in doubt, have a competent electrician inspect the outlet and correct if necessary.
- 4. DO NOT use a grounded to un-grounded receptacle adapter (where applicable).
- 5. Install the unit in a level position.



⚠ CAUTION

If the supply cord is damaged, it must be replaced by Gold Medal Products Co., its service agent or similarly qualified persons in order to avoid a hazard.

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OPERATING INSTRUCTIONS

Controls and Their Functions

LIGHTS/WARMER SWITCH

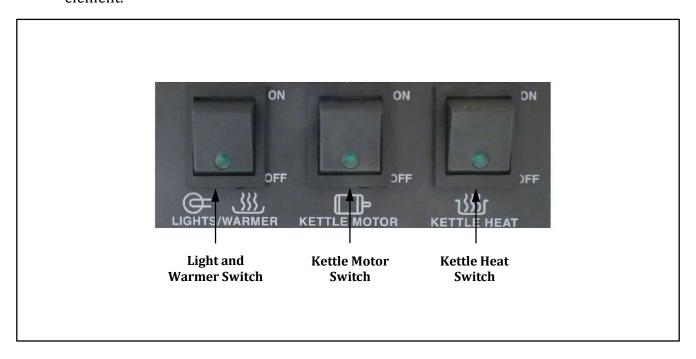
Two position, ON/OFF lighted rocker switch - supplies power to the interior cabinet light and to the corn pan heat element. The green switch light ON indicates there is power to the light and corn pan heat element.

KETTLE MOTOR SWITCH

Two position, ON/OFF lighted rocker switch - operates the kettle agitator motor. The Kettle Motor Switch MUST be ON at all times when there is popcorn (popped or unpopped) in the kettle.

KETTLE HEAT SWITCH

Two position, ON/OFF lighted rocker switch - supplies power to the heating elements in the popping kettle. The green switch light ON indicates there is power to the kettle heating element.





Popping Corn

This section describes instructions for popping Standard (salted popcorn).

Your new popper is equipped with a corn, salt, and oil measure. We recommend flavored and colored coconut oil. Popcorn popped in coconut oil stays fresh longer and does not leave black deposits in your kettle like other oils. Use only top quality, fresh popcorn from reputable suppliers.

Ingredient amounts for popping Standard Popcorn:

Kettle Size	Popcorn Charge	Oil Charge	Flavacol (Salt)
14 oz.	14 oz. (414 ml)	4.5 oz. (133 ml)	1 Tblsp. (15cc)

For best results use Mega-Pop® 12 oz. premeasured pouches (Item# 2839).

Popping Standard (Salted) Popcorn

- 1. Turn the Lights/Warmer, Kettle Heat and Kettle Motor Switches ON.
- 2. To determine when the kettle is ready to pop corn (about 4 minutes), test pop three kernels of corn and one ounce (30 ml) of popping oil. When the kernels pop, the kettle is ready for use.
- 3. Lift the kettle lid and load the Mega-Pop® premeasured popcorn and oil pouch into kettle, or pour in the popcorn and Flavacol, then add oil in the premeasured amounts specified above. Close lid.
- 4. When the corn has finished popping, gently dump the popcorn.
- 5. On the final kettle of corn, turn the Kettle Heat Switch OFF just as the lids are forced open by the popping corn. This procedure saves electricity, since the kettle has plenty of heat, and helps eliminate smoke/odor from any oil residue that remains after popping has stopped.
- 6. When finished popping, make sure KETTLE HEAT and KETTLE MOTOR switches are turned OFF.

NEVER LEAVE THE HEAT ON WHEN YOU ARE NOT POPPING CORN!



Care and Cleaning



A DANGER

Machine must be properly grounded to prevent electrical shock to personnel. **DO NOT immerse in water.**

Always unplug the equipment before cleaning or servicing.

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WARNING

To avoid serious burns, DO NOT touch the kettle while it is hot!

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Good sanitation practice demands that all food preparation equipment be cleaned regularly (only use non-toxic, food grade cleaners). A clean looking, well-kept machine is one of the best ways of advertising your product.

Note: It is extremely important to follow all of the cleaning procedures, otherwise parts damage and equipment failure will result. The warranty does not cover parts that are damaged due to improper cleaning.

Daily Kettle Cleaning Instructions

CAUTION: A hot kettle will cause burns if you touch it with your hand. Allow kettle to cool at least 1 hour before attempting to clean. **DO NOT** use ice or water to cool down a hot kettle! Severe kettle damage will result!

- 1. When cool, wipe the **outside** of the kettle with a clean, soft cloth. **DO NOT** use oven cleaners or abrasive materials as they will damage the kettle.
- 2. Every night, mix Gold Medal's Heat'n Kleen solution (Item No. 2095), 2 tablespoons per gallon of water. It is not necessary to use the entire gallon at once; only use enough to fill the kettle 1/2 inch deep.
- 3. Turn the kettle heat ON. When the water starts to boil, turn the kettle heat OFF.
- 4. Allow to cool for at least 1 hour, then dump the solution into a bucket and wipe the inside of the kettle with a clean cloth. Make sure all of the solution goes into the bucket; do not spill any in the interior of the machine.
 - For an extra dirty kettle, the process may be repeated; or, after turning the kettle heat OFF, allow solution to sit in the kettle overnight. The next morning, dump the solution into a bucket and wipe the inside of the kettle with a clean cloth.
- 5. With the unit OFF and unplugged, wipe the kettle lead cord with a clean SLIGHTLY damp cloth. **DO NOT get moisture into the kettle lead-in cord, severe damage will result.**



Daily Unit Cleaning Instructions

- 1. With the machine OFF, unplug the unit and allow it to cool before attempting to clean.
- 2. Make sure to clean all pans/accessories in order to sanitize them before each use.
- 3. Take a clean, SLIGHTLY damp cloth and wipe excess grease from the glass and cabinet.
- 4. Wipe the stainless steel parts with a clean cloth and cleaner designed for stainless steel, such as Gold Medal Watchdog Stainless Cleaner (Item No. 2088).
 - **DO NOT** use oven cleaners or abrasive materials as they will damage parts of the machine.
- 5. Clean the glass panels with glass cleaner. Gold Medal Watchdog Glass Cleaner (Item No. 2588) is recommended.
 - Ammonia cleaners will damage the plastic doors. Use only non-ammonia cleaners, such as Gold Medal Watchdog Glass Cleaner (Item No. 2588).



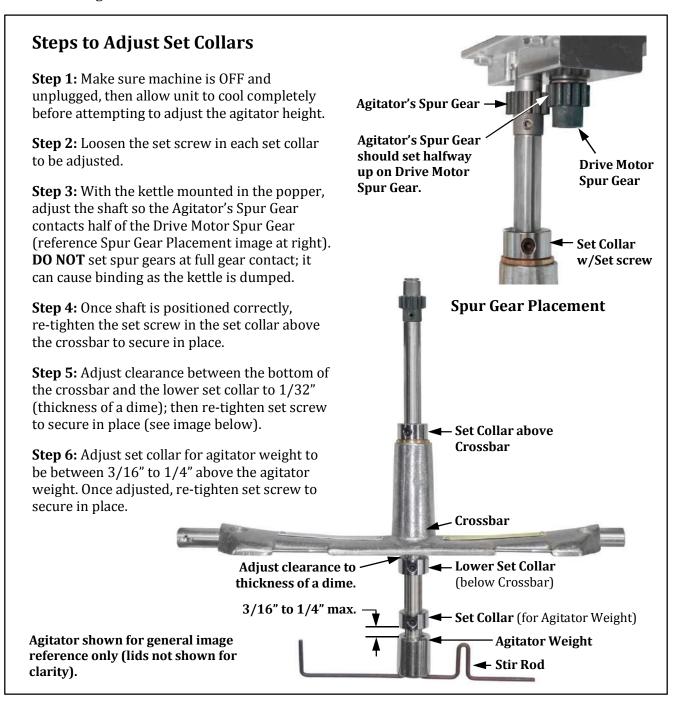
Troubleshooting

Issue	Possible Cause	Solution
Power to the Unit	A. Power to the Unit	A. Make sure the unit's power cord is plugged in.
Kettle Does Not Heat	A. Power to the Kettle	A. Make sure kettle lead-in cord is plugged in and twisted to lock into the kettle receptacle.
	B. Kettle Heat Switch	B. Have a qualified service person check the voltage to and from the Kettle Heat Switch; if switch is defective, replace it.
	C. Heating Element	C. Heating element in the kettle may be burned out. Check with a qualified service person for inspection/repair.
Long Popping Cycles (Longer than 4 minutes for Salt Popcorn)	A. Low Voltage	A. If the machine is operated on low voltage, this could cause the kettle not to reach the proper operating temperature. Check with a qualified electrician.
	B. Inadequate Supply Lines	B. Inadequately sized electrical supply lines or use of extension cord, in addition to being a fire hazard, would also prevent the kettle from reaching the proper operating temperature. Check with a qualified electrician.
	C. Inferior Corn	C. Inferior quality corn would result in longer popping cycles. Use only top quality hybrid popcorn from reputable suppliers. Even then, if you let your corn pick up moisture or dry out, your popping cycles will be slow.
Kettle Agitator Shaft not Rotating	A. Kettle Motor Switch	A. If the kettle agitator shaft is not rotating, DO NOT pop corn. Make sure the Kettle Motor Switch is ON. If the switch is ON, and the shaft is not rotating, the switch or motor may be faulty, contact qualified service personnel for inspection/repair.
	B. Kettle Agitator Shaft/Stir Blade not rotating. (Unit must be OFF, unplugged and cool prior to checking or adjusting the agitator assembly.)	B. If the kettle agitator shaft is not rotating, DO NOT pop corn. Check the clearance between the kettle bottom and the stir blade; it should be 1/32" (use a dime). To adjust, reference the Agitator Set Collar Adjustment section.



Agitator Set Collar Adjustment

The following instructions describe how to properly adjust set collars on an agitator assembly with a floating stir rod.





MAINTENANCE INSTRUCTIONS

▲ DANGER



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↑ WARNING

No user serviceable parts inside. Refer servicing to qualified service personnel.

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↑ CAUTION

THE FOLLOWING SECTIONS OF THIS MANUAL ARE INTENDED ONLY FOR QUALIFIED SERVICE PERSONNEL WHO ARE FAMILIAR WITH ELECTRICAL EQUIPMENT. THESE ARE NOT INTENDED FOR THE OPERATOR.

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ORDERING SPARE PARTS

- 1. Identify the needed part by checking it against the photos, illustrations, and/or parts list.
- 2. Use only approved replacement parts when servicing this unit.
- 3. When ordering, please include part number, part name, and quantity needed.
- 4. Please include your model number, serial number, and date of manufacture (located on the machine nameplate/data plate) with your order.
- 5. Address all parts orders to:

Parts Department Gold Medal Products Co. 10700 Medallion Drive Cincinnati, Ohio 45241-4807

Or, place orders by phone or online:

Phone: (800) 543-0862

(513) 769-7676

Fax: (800) 542-1496

(513) 769-8500

E-mail: info@gmpopcorn.com Web Page: gmpopcorn.com



Replacing Broken Glass

Broken glass panels can be easily replaced. Gold Medal Products Co. does not ship glass. It can be obtained from a local glass shop and always purchase tempered glass.

- 1. Remove all loose pieces of glass.
- 2. Remove all rigid glass channels from around the glass to be replaced. Set it aside as it must be reused.
- 3. Carefully remove the rest of the broken glass.
- 4. Apply decals (if desired) to the new glass panel.
- 5. Slide rigid glass channels over the exposed sides and bottom of new glass panel.
- 6. Fasten new glass panel in machine with the existing glass strips. (On some units, the front and side glass slide under top and is then lowered into the bottom channel.)

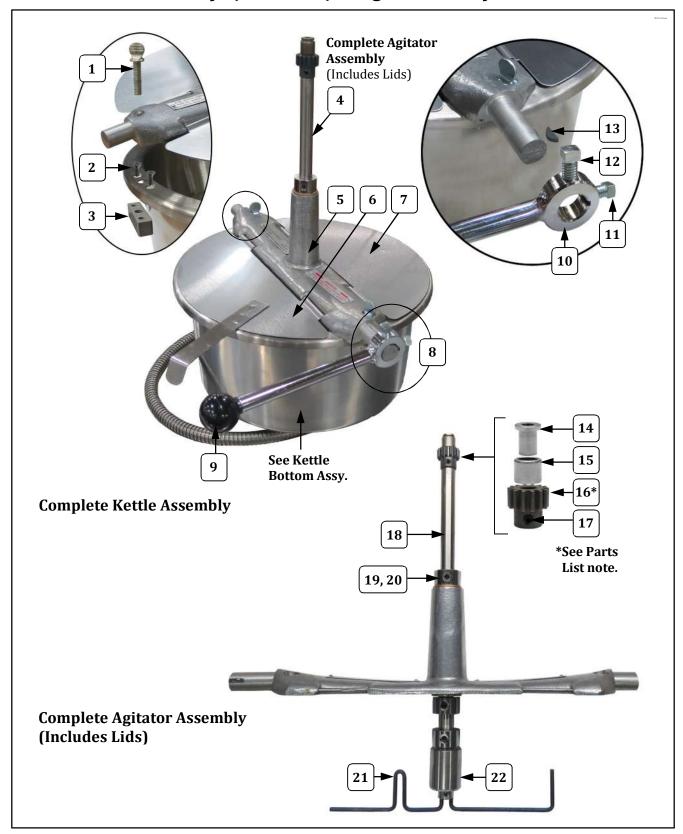
GLASS DIMENSIONS (W x H x D)

Front Glass: 24 3/16" X 24" X 1/8" (1 Piece)

Side Glass: 16 3/4" X 24 3/16" X 1/8" (2 Pieces)



12/14 oz. Kettle Assy. (58220EX) – Agitator Assy.



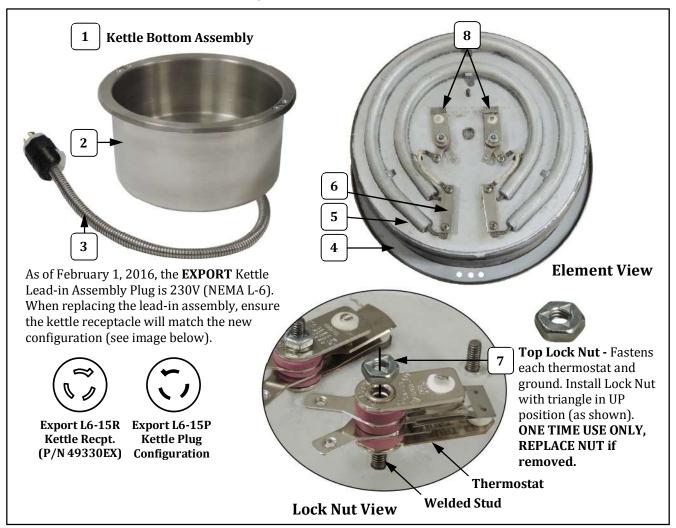


12/14 oz. Kettle Assy. (58220EX) – Agitator Assy. – Parts List

Item	Part Description	Part Number 58220EX
1	1/4-20 X 1.25 THUMB SCREW	61068
2	8-32 X 1/2 PHILL FLAT M/S ZINC	20066
3	SHELL & KETTLE BLOCK	61013
4	12/14 OZ LID&AGITATOR ASSY (Complete Assy.)	58219EX
5	CROSSBAR ASSEMBLY	61025
6	FORMED LID	47261
7	REAR KETTLE LID	47119
8	DUMP HANDLE ASSEMBLY (assembly includes Handle, Knob, 2 SQ HD Screws, and Key)	47102
9	DUMP HANDLE KNOB	47110
10	DUMP HANDLE	47707
11	5/16-18 X 3/8 SQ HD SCREW (Holds Key)	47662
12	5/16-18 X 1/2 SQ HD SCREW	47725
13	WOODRUFF KEY #3 1/8X1/2	41730
14	AGITATOR BEARING HUB	43434
15	NEEDLE BEARING	47106
16	SPUR GEAR Kit (Includes 2 gears with set screws. Always replace Agitator Spur Gear and Kettle Drive Motor Gear as a set.)	47059K
17	10-32 X 3/16 SET SCREW	41742
18*	AGITATOR SHAFT	61092
19	1/2ID X 7/8OD SET COLLAR	47326
20	SET SCREW 1/4-20 X 3/16	47751
21	AGITATOR WEIGHT	61093
22	STIR ROD	49011



12/14 oz. Kettle Assembly (58220EX) - Kettle Bottom View



Item	Dout Decoration	Part Number
Item	Part Description	58220EX
1	12/14 OZ. KETTLE BOTTOM ASSEMBLY (includes parts listed below)	58221EX
2	KETTLE SHELL	61017
3	KETTLE LEAD ASSY	61030
4	KETTLE GASKET	61012
5	12/14 KETTLE WITH HEATER	58011EX
6	12/140Z SHUNT BAR	77879
7	8-32 TOP LOCK NUT (always replace if removed)	67943
8	482°F THERMOSTAT (includes two 6-32 screws) (two thermostats required)	76708



Cabinet Exterior – Front View

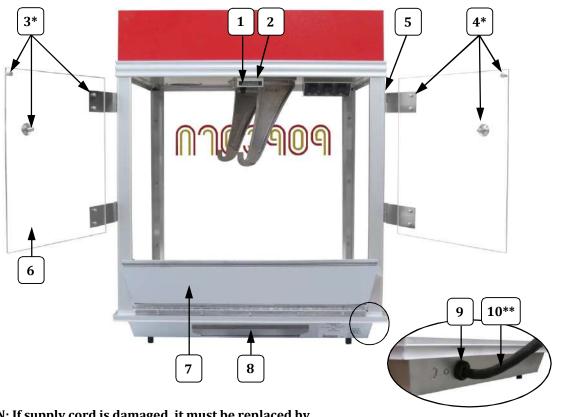


Item	Part Description	Part No.
Itelli		2121NSX
1	RED POWDER COAT DOME	16123
2	GLASS CHAN 23 13/16 (side channel used on	47695
	front glass and side glass)	
3	GLASS CHAN 16 11/16 (top and bottom channel	47693
	for side glass)	47073
4	GLASS CHAN 24 (top and bottom channel for	47696
	front glass)	47090
5	GLIDE	47328
6	BLACK CRUTCH TIP	49123



Cabinet Exterior – Rear View

* Complete Left and Right Hand Door Hardware Kits - See next page for individual component breakdown.

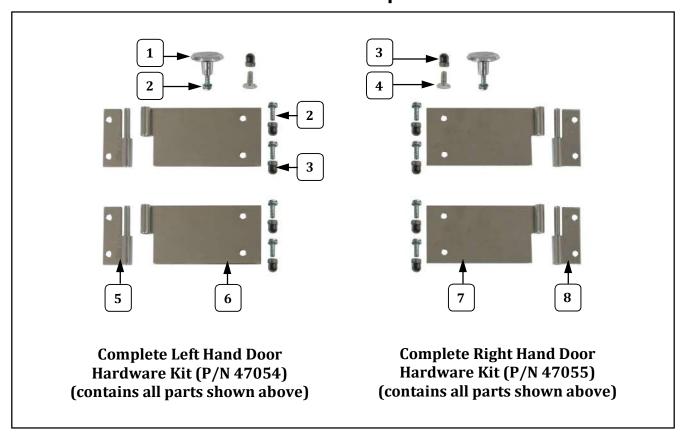


** CAUTION: If supply cord is damaged, it must be replaced by Gold Medal Products Co., its service agent, or similarly qualified persons in order to avoid a hazard.

Itam	Dout Description	Part No.
Item	Part Description	2121NSX
1	MAGNETIC CATCH	47561
2	MAGNETIC CATCH MOUNT BRACKET	47559
3*	COMPLETE HARDWARE KIT FOR LH DOOR	47054
4*	COMPLETE HARDWARE KIT FOR RH DOOR	47055
5	8-32 X 3/8 SLT HWH M/S (Frame hinge screws	42044
3	not included with Door Hardware Kit)	42044
6	PLEXIGLASS DOOR	77058
7	DROP PANEL ASSEMBLY	47006
8	OLD MAID PAN	47003
9	#SR-6W-1 STRAIN RELIEF	82220
10**	EXPORT POWER SUPPLY CORD	42369



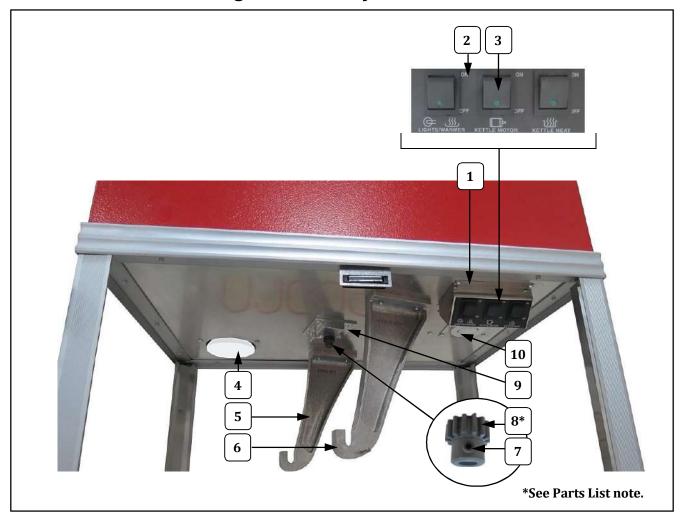
Door Hardware Kits - Individual Component Breakdown



Item	Part Description	Part Number		
rteili		47054	47055	
1	DOOR KNOB	41013	41013	
2	8-32 X ½ SCREWS PH PAN W/SEMS	47124	47124	
3	ACORN NUT #8-32	47702	47702	
4	TEE BOLT	75267	75267	
5	MALE HINGE SHORT LEFT	41349		
6	FEMALE HINGE LONG LEFT	41352		
7	FEMALE HINGE LONG RIGHT		41351	
8	MALE HINGE SHORT RIGHT		41350	



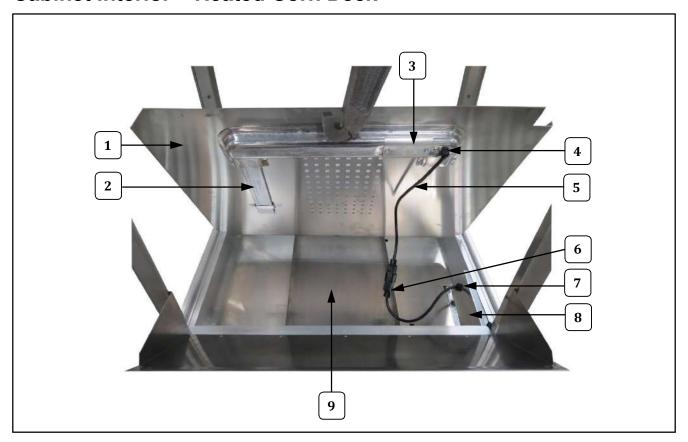
Cabinet Interior – Hanger Assembly/Controls View



Item	Part Description	Part No.
Itelli		2121NSX
1	3 HOLE ROCKER SWITCH	17473
2	SWITCHES LABEL	48508
3	SWITCH, LIGHTED ROCKER GR	42798
4	HALOGEN FLOOD (Max. 75 Watt)	41979EX
5	REAR HANGER ARM ASSEMBLY	47263
6	FRONT HANGER ARM	47262
7	10-32 X 3/16 SET SCREW	41742
	SPUR GEAR KIT (Includes 2 gears with set	
8	screws. Always replace Agitator Spur Gear and	47059K
	Kettle Drive Motor Gear as a set.)	
9	GEAR BLOCK ASSEMBLY	67194
10	KETTLE LEAD-IN RECEPTICLE (reference Kettle	49330EX
	Bottom Assy. for kettle plug configuration note)	49330EA



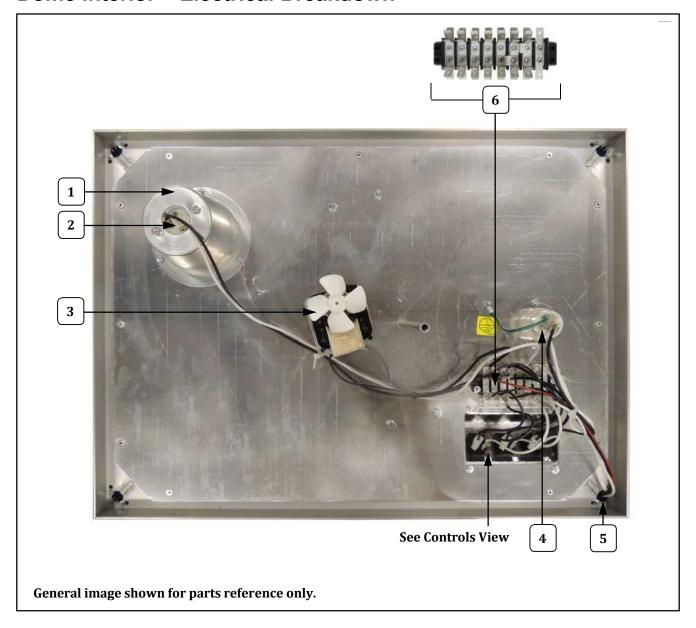
Cabinet Interior – Heated Corn Deck



Item	Part Description	Part No.
Itelli		2121NSX
1	BOTTOM CORN PAN ASSEMBLY 220V (Complete assembly includes element)	77076EX
2	HEAT ELEMENT 230V,75W	44075
3	COVER CORN PAN CONDUIT	47653
4	SR 15-1 STRAIN RELIEF	61099
5	MALE CORDSET	61020
6	FEMALE CORDSET	61021
7	SR 6P3-4 STRAIN RELIEF	76026
8	CORNER COVER	77591
9	OLD MAID PAN	47003



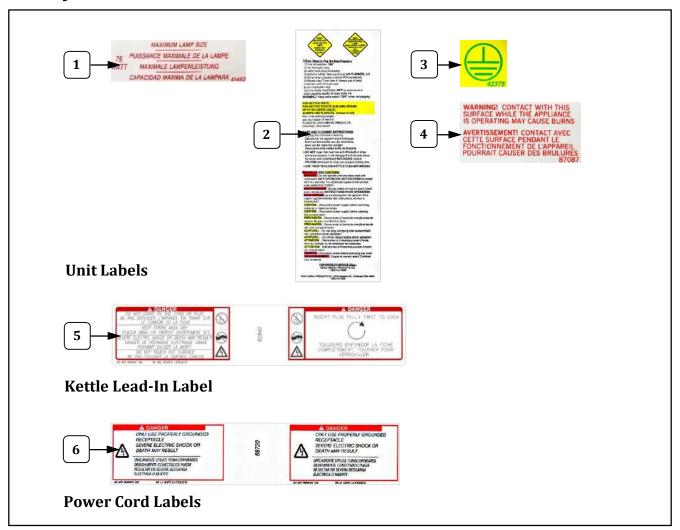
Dome Interior – Electrical Breakdown



Item	Part Description	Part No.
Itelli		2121NSX
1	LIGHT CONICAL SHORT	49584
2	LAMP HOLDER	47047
3	KETTLE DRIVE MOTOR 230 VOLT	47067
4	KETTLE LEAD-IN RECEPTICLE (reference Kettle	49330EX
	Bottom Assy. for kettle plug configuration note)	
5	.625" SNAP BUSHING	47282
6	8 TERMINIAL TERMINAL BLOCK	47208



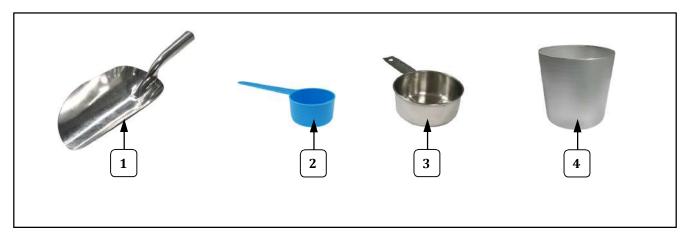
Safety Labels



Item	Part Description	Part Number
Item		2121NSX
1	WARNING, MAX LAMP 75W	41452
2	UNIVERSAL POPPER DECAL	41019
3	MAIN GROUND LABEL	42375
4	WARNING, SURFACE CONTACT	87087
5	CONDUIT WARNING LABEL	82840
6	WARNING LABEL CORD	68720



Accessories

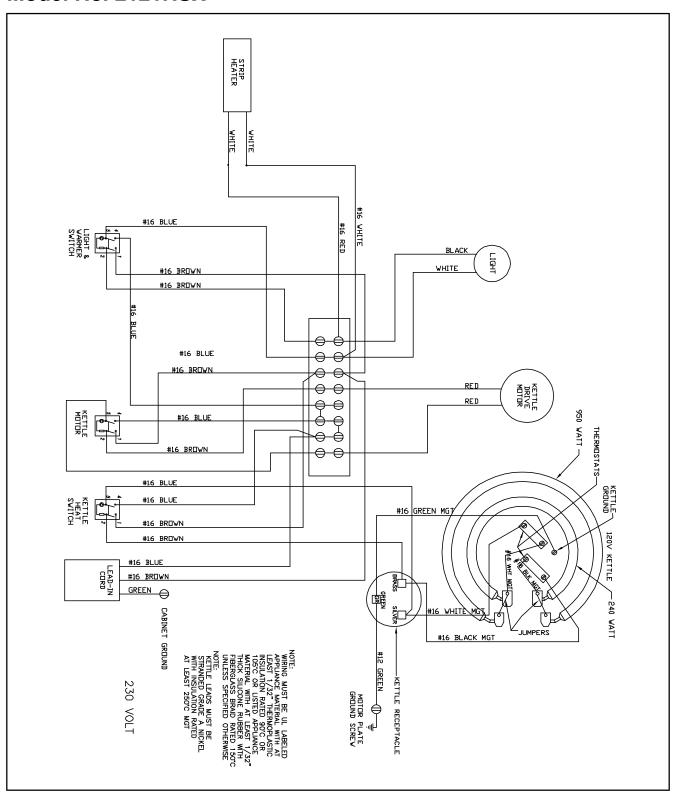


Item	Part Description	Part No.
Itelli		2121NSX
1	STAMPED ALUMINUM SCOOP	2071
2	MEASURE 14.7 CC	47679
3	MEASURE ½ CUP	47149
4	14 OZ. VOLUME CORN MEASURE	47399



Wiring Diagram

Model No. 2121NSX





WARRANTY

Gold Medal Products Co. warrants to the original purchaser each item of its manufacture to be free of defects in workmanship and material under normal use and service. Gold Medal Products Co.'s obligation under this warranty is limited solely to repairing or replacing parts, f.o.b. Cincinnati, Ohio, which in its judgment are defective in workmanship or material and which are returned, freight prepaid, to its Cincinnati, Ohio factory or other designated point. Except for "Perishable Parts" on specific machines, the above warranty applies for a period of two (2) years from the date of original sale to the original purchaser of equipment when recommended operating instructions and maintenance procedures have been followed. These are packed with the machine. Parts warranty is two (2) years, labor is six (6) months.

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED, AND OF ALL OTHER OBLIGATIONS OR LIABILITIES ON OUR PART, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY. THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. In no event shall Gold Medal Products Co. be liable for special, incidental or consequential damages. No claim under this warranty will be honored if the equipment covered has been misused, neglected, damaged in transit, or has been tampered with or changed in any way. No claim under this warranty shall be honored in the event that components in the unit at the time of the claim were not supplied or approved by Gold Medal Products Co. This warranty is effective only when electrical items have been properly attached to city utility lines only at proper voltages. This warranty is not transferable without the written consent of Gold Medal Products Co.

The term "Original Purchaser" as used in this warranty shall be deemed to mean that person, firm, association, or corporation who was billed by the GOLD MEDAL PRODUCTS CO., or their authorized distributor for the equipment.

THIS WARRANTY HAS NO EFFECT AND IS VOID UNLESS THE ORIGINAL PURCHASER FIRST CALLS GOLD MEDAL PRODUCTS CO. AT 1-800-543-0862 TO DISCUSS WITH OUR SERVICE REPRESENTATIVE THE EQUIPMENT PROBLEM, AND, IF NECESSARY, FOR INSTRUCTIONS CONCERNING THE REPAIR OR REPLACEMENT OF PARTS.

NOTE: This equipment is manufactured and sold for commercial use only.



10700 Medallion Drive, Cincinnati, Ohio 45241-4807 USA gmpopcorn.com

Phone: (800) 543-0862 Fax: (800) 542-1496 (513) 769-7676 (513) 769-8500

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